COMSOL

USER MANUAL
USB INFRARED ADAPTER

UIR-120

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1. Introduction

Comsol USB Infrared Adapter enables IrDA wireless data communication through a standard USB port. Powered from USB bus, this product does not require any external power adapter. It supports SIR (2.4Kbps to 115.2Kbps), MIR (576Kbps to 1152Kbps), and FIR (4Mbps) modes. The effective data transmission distance is from 0 to 1M. The reception or viewing angle in a typical environment is 30^{o} $(+/-)$ 15^{o}). Use the product; you could transfer data with wireless connection for PC, PDA, digital camera, scanner and printer.

2. Application & Connection

Wireless data transfer between desktop PC and notebook PC, PDA, Digital Camera, Scanner and Printer
Files Sharing, Photo transfer, Printing, Data Exchange and Synchronization

3. Package Content

Hardware

- Comsol USB Infrared Adapter
- USB Cable (A/M-A/F)

Software

- Software driver on CD

4. Product Features

- Easily enables IrDA function on the desktop PC through USB port
- USB Plug and Play convenience
- Fully compatible with IrDA 1.1 and USB 1.1 specification
- Compatible with FIR 4Mbps, MIR, SIR and ASK 56Kbps
- No power adapter required
- Low power consumption

5. System Requirements

- IBM PC 486DX4-100 MHz or higher or compatible system
- Available USB port
- CD-ROM drive
- Windows® 98, Windows® ME, Windows® 2000, Windows® XP.

6. Driver Installation

NOTICE: Before you install the driver on your computer, please do not connect the Comsol USB Infrared Adapter to your computer.

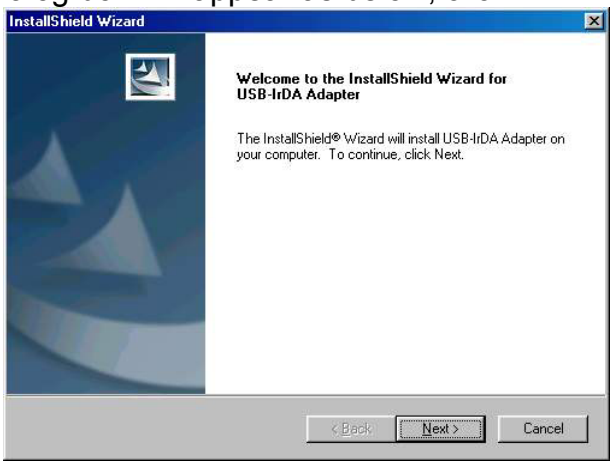
6.1 Windows® 98 Driver Installation

Follow the steps below to install the driver for **Comsol USB Infrared Adapter**:

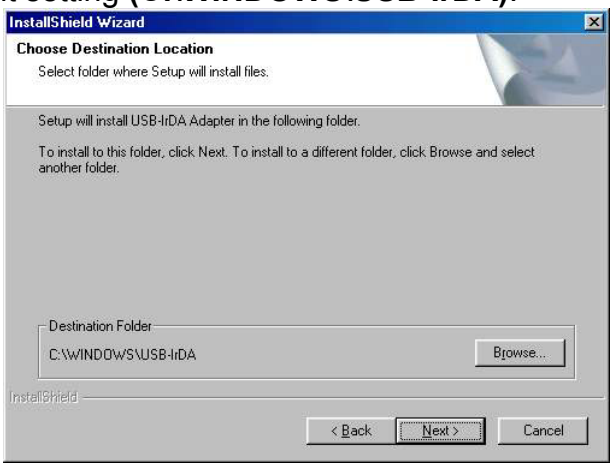
6.1.1 Power on the computers that you will use to connect the Comsol USB Infrared Adapter and make sure the USB port is enabled and working properly.

6.1.2 Put the driver CD into the CD-ROM and run the **D:\ Infrared UIR-120\Drivers\WINDOWS\SETUP.EXE.**

6.1.3 The dialog box will appear as below, click **"NEXT"** to continue.

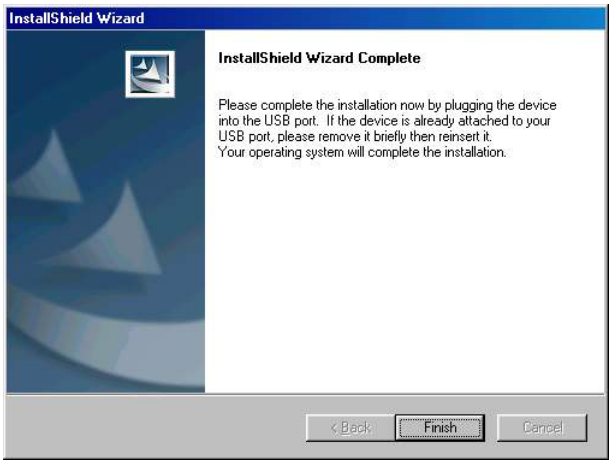

InstallShield Wizard
Welcome to the InstallShield Wizard for USB-IrDA Adapter
The InstallShield® Wizard will install USB-IrDA Adapter on your computer. To continue, click Next.
< Back
Next >
Cancel

6.1.4 You can choose the destination folder that you want to install or use the default setting **(C:\WINDOWS\USB-IrDA)**.


InstallShield Wizard
Choose Destination Location
Select folder where Setup will install files.
Setup will install USB-IrDA Adapter in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\WINDOWS\USB-IrDA
Browse...
InstallShield
< Back
Next >
Cancel

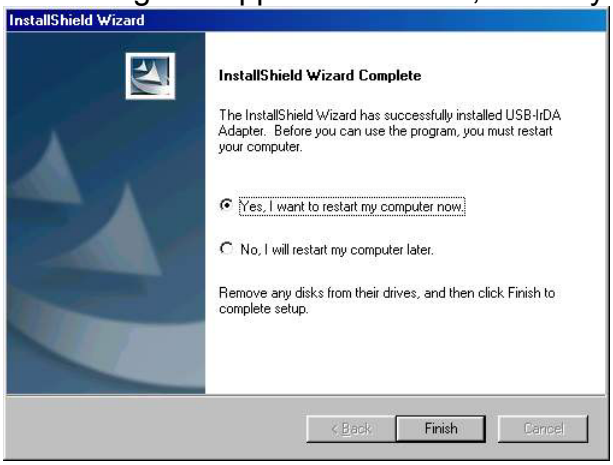
6.1.5 The InstallShield Wizard will install the driver on your system.

6.1.6 When the dialog box appears as below, plug the **Comsol USB Infrared Adapter** into the USB port.

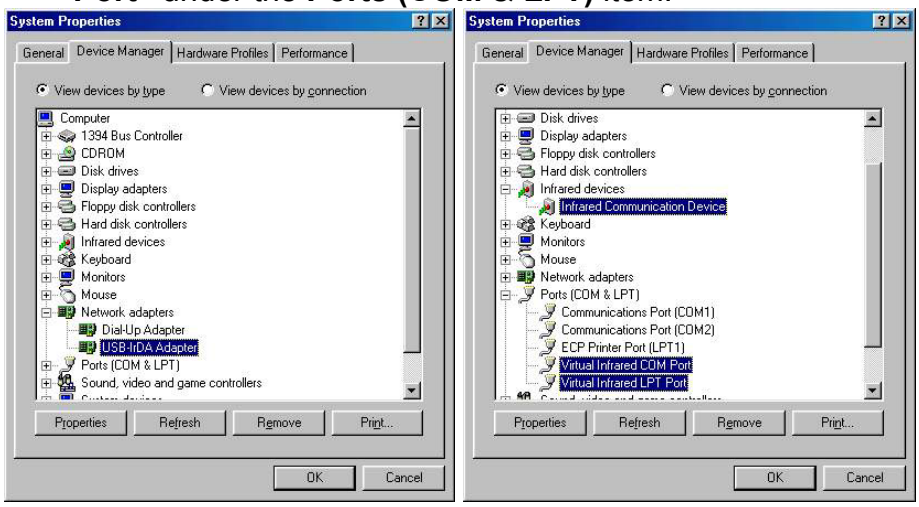

InstallShield Wizard
InstallShield Wizard Complete
Please complete the installation now by plugging the device into the USB port. If the device is already attached to your USB port, please remove it briefly then reinsert it.
Your operating system will complete the installation.
< Back
Finish
Cancel

6.1.7 Windows will auto detect the new device and install the needed driver onto your system. Click **"Finish"** to complete the installation.

6.1.8 When the dialog box appears as below, restart your system.


InstallShield Wizard
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed USB-IrDA Adapter. Before you can use the program, you must restart your computer.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
< Back
Finish
Cancel

6.1.9 After windows restarts, you must check **"My Computer"-"Control Panel"-"System"-"Device Manager", "Infrared Communication Device"** will appear and **"USB-IrDA Adapter"** under the **Network Adapter, "Virtual Infrared COM Port" and "Virtual Infrared LPT Port"** under the **Ports (COM & LPT)** item.



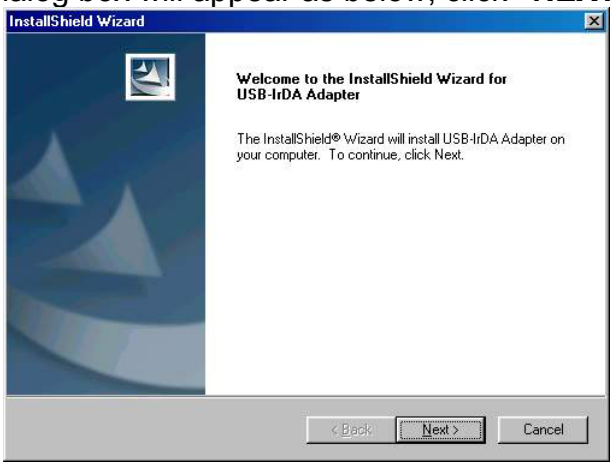
6.2 Windows® ME Driver Installation

Follow the steps below to install the driver for **Comsol USB Infrared Adapter**:

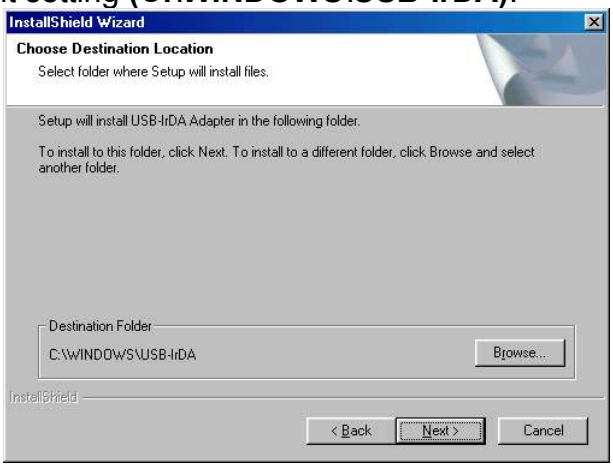
6.2.1 Power on the computers that you will use to connect the Comsol USB Infrared Adapter and make sure the USB port is enabled and working properly.

6.2.2 Put the driver CD into the CD-ROM and run the **D:\ Infrared UIR-120\Drivers\WINDOWS\SETUP.EXE.**

6.2.3 The dialog box will appear as below, click **"NEXT"** to continue.

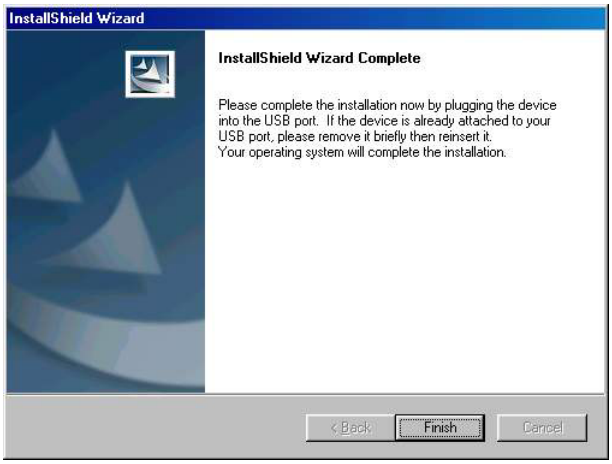

InstallShield Wizard
Welcome to the InstallShield Wizard for USB-IrDA Adapter
The InstallShield® Wizard will install USB-IrDA Adapter on your computer. To continue, click Next.
< Back
Next >
Cancel

6.2.4 You can choose the destination folder that you want to install or use the default setting **(C:\WINDOWS\USB-IrDA)**.


InstallShield Wizard
Choose Destination Location
Select folder where Setup will install files.
Setup will install USB-IrDA Adapter in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\WINDOWS\USB-IrDA
Browse...
InstallShield
< Back
Next >
Cancel

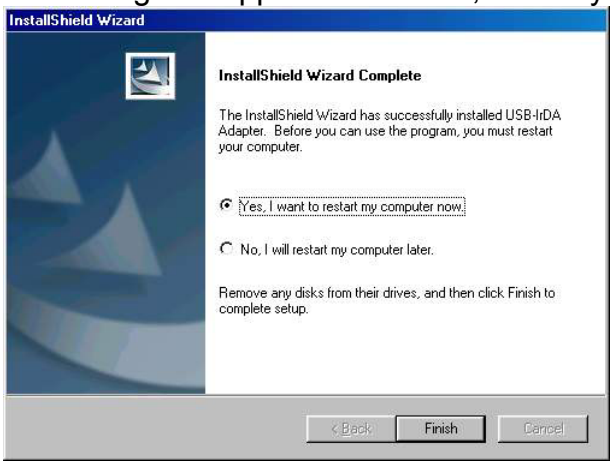
6.2.5 The InstallShield Wizard will then install the driver on your system.

6.2.6 When the dialog box appears as below, plug the **Comsol USB Infrared Adapter** into the USB port.

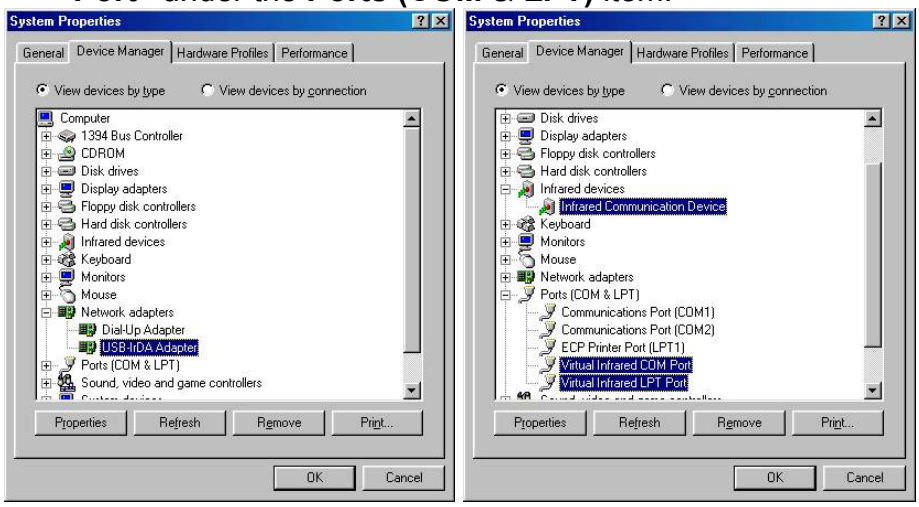

InstallShield Wizard
InstallShield Wizard Complete
Please complete the installation now by plugging the device into the USB port. If the device is already attached to your USB port, please remove it briefly then reinsert it.
Your operating system will complete the installation.
< Back
Finish
Cancel

6.2.7 Windows will auto detect the new device and install the needed driver onto your system. Click **"Finish"** to complete the installation.

6.2.8 When the dialog box appears as below, restart your system.


InstallShield Wizard
InstallShield Wizard Complete
The InstallShield Wizard has successfully installed USB-IrDA Adapter. Before you can use the program, you must restart your computer.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
< Back
Finish
Cancel

6.2.9 After windows restarts, you must check **"My Computer"-"Control Panel"-"System"-"Device Manager", "Infrared Communication Device"** will appear and **"USB-IrDA Adapter"** under the **Network Adapter, "Virtual Infrared COM Port" and "Virtual Infrared LPT Port"** under the **Ports (COM & LPT)** item.



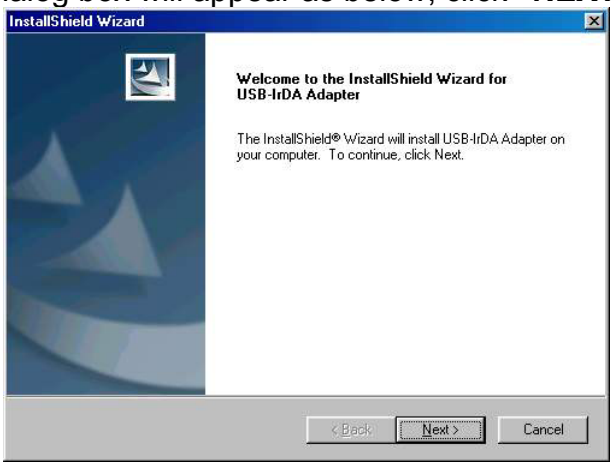
6.3 Windows® 2000 Driver Installation

Follow the steps below to install the driver for **Comsol USB Infrared Adapter**:

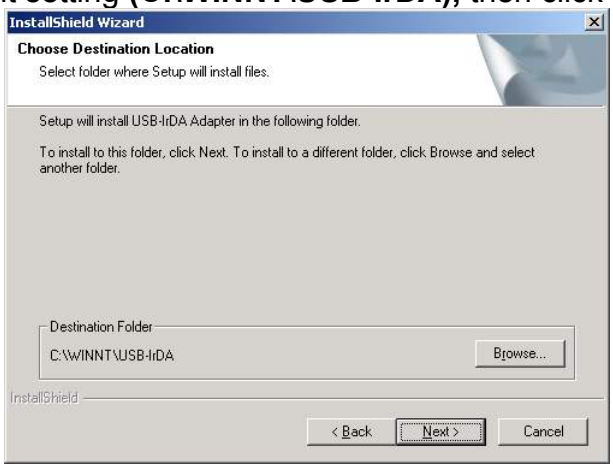
6.3.1 Power on the computers that you will use to connect the Comsol USB Infrared Adapter and make sure the USB port is enabled and working properly.

6.3.2 Put the driver CD into the CD-ROM and run the **D:\ Infrared UIR-120\Drivers\WINDOWS\SETUP.EXE.**

6.3.3 The dialog box will appear as below, click **"NEXT"** to continue.

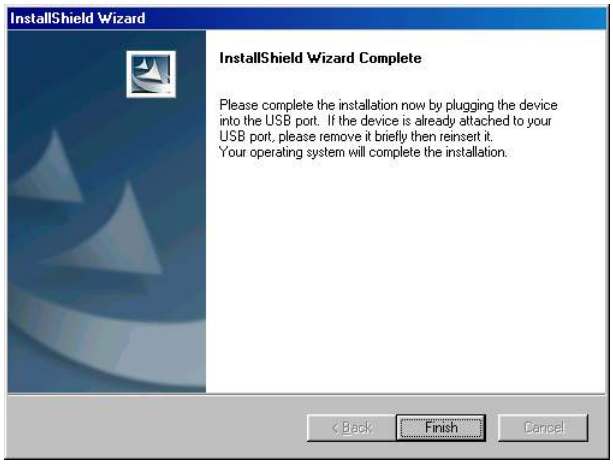

InstallShield Wizard
Welcome to the InstallShield Wizard for USB-IrDA Adapter
The InstallShield® Wizard will install USB-IrDA Adapter on your computer. To continue, click Next.
< Back
Next >
Cancel

6.3.4 You can choose the destination folder that you want to install or use the default setting **(C:\WINNT\USB-IrDA),** then click **"NEXT"** to continue.

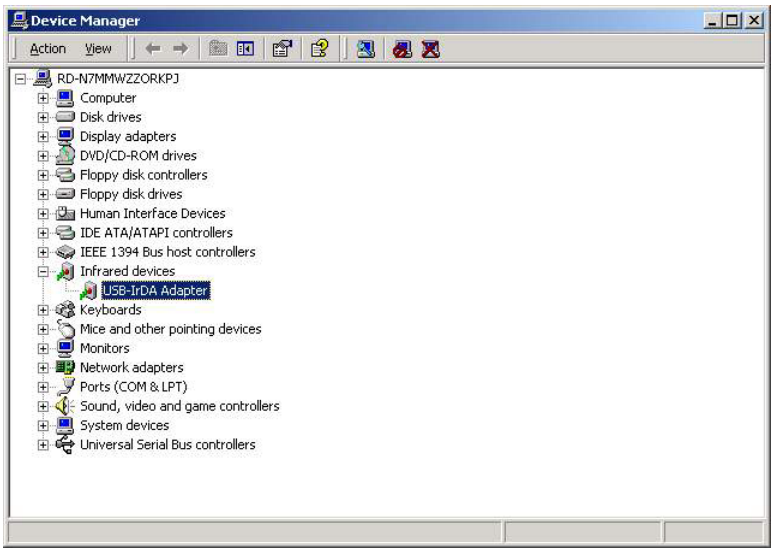

InstallShield Wizard
Choose Destination Location
Select folder where Setup will install files.
Setup will install USB-IrDA Adapter in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\WINNT\USB-IrDA
Browse...
InstallShield
< Back
Next >
Cancel

6.3.5 The InstallShield Wizard will then install the driver on your system.

6.3.6 When the dialog box appears as below, plug the **USB-IrDA Adapter** into the USB port. Windows will auto detect the new device and install the needed driver onto your system. After all step finished, click **"Finish"** to complete the installation step.


InstallShield Wizard
InstallShield Wizard Complete
Please complete the installation now by plugging the device into the USB port. If the device is already attached to your USB port, please remove it briefly then reinsert it.
Your operating system will complete the installation.
< Back
Finish
Cancel

6.3.7 After install the driver, you must check **"My Computer"-"Control Panel"-"System"-"Hardware"-"Device Manager",** you will see**"USB-IrDA Adapter"** under the **Infrared devices.**



6.4 Windows® XP Driver Installation

Follow the steps below to install the driver for **USB to IrDA Adapter** USB cable:

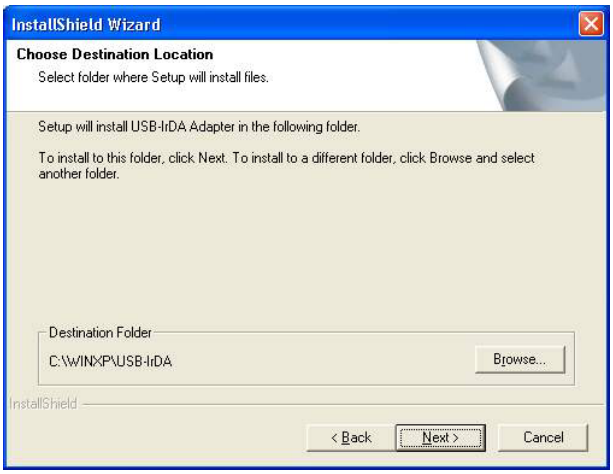
6.4.1 Power on the computers that you will connect the USB to IrDA Adapter and make sure the USB port is enabled and working properly.

6.4.2 Put the driver CD into the CD-ROM and run the **D:\ Infrared UIR-120\Drivers\WINDOWS\SETUP.EXE.**

6.4.3 When the dialog box appears as below, click **"NEXT"** to continue.

InstallShield Wizard
Welcome to the InstallShield Wizard for USB-IrDA Adapter
The InstallShield® Wizard will install USB-IrDA Adapter on your computer. To continue, click Next.
< Back
Next >
Cancel

6.4.4 You can choose the destination folder that you want to install or use the default setting **(C:\WINXP\USB-IrDA),** click **"NEXT"** to continue.

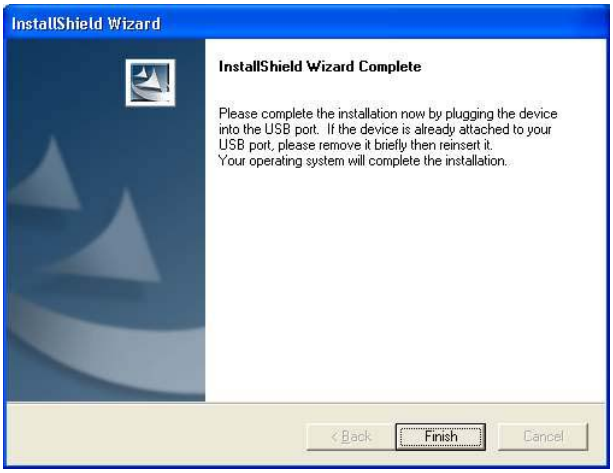

InstallShield Wizard
Choose Destination Location
Select folder where Setup will install files.
Setup will install USB-IrDA Adapter in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\WINXP\USB-IrDA
Browse...
InstallShield
< Back
Next >
Cancel

6.4.5 The InstallShield Wizard will then install the driver on your system.

6.4.6 When the dialog box appears as below, Click **"Continue Anyway"** to install the driver on your computer.

Software Installation
The software you are installing has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the software vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

6.4.7 When the dialog box appears as below, plug the **Comsol USB Infrared Adapter** into the USB port.


InstallShield Wizard
InstallShield Wizard Complete
Please complete the installation now by plugging the device into the USB port. If the device is already attached to your USB port, please remove it briefly then reinsert it.
Your operating system will complete the installation.
< Back
Finish
Cancel

6.4.8 Windows will auto detect the **Comsol USB Infrared Adapter**, click **"Next"** to continue.

Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
USB-IrDA Adapter
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

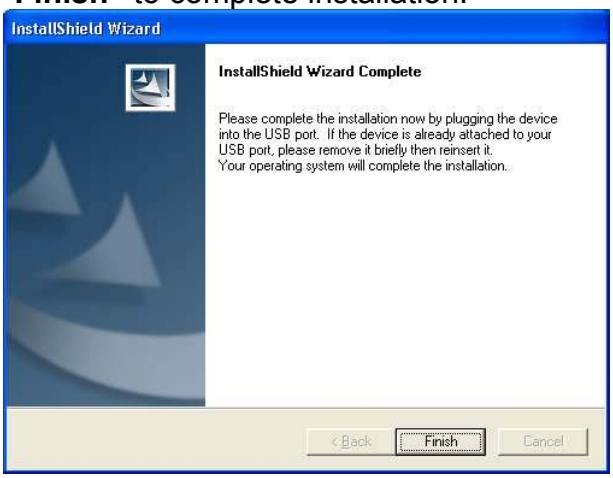
6.4.9 When the dialog box appears as below, click **"Continue Anyway"** to install the driver.

Hardware Installation
The software you are installing for this hardware:
USB-IrDA Adapter
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

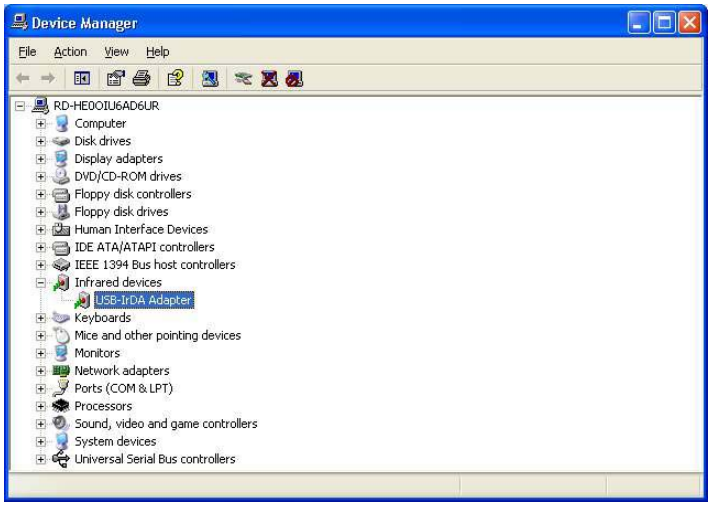
6.4.10 Windows will install the needed driver to your system.

6.4.11 Click **"Finish"** to complete installation.

6.4.12 Click **"Finish"** to complete installation.


InstallShield Wizard
InstallShield Wizard Complete
Please complete the installation now by plugging the device into the USB port. If the device is already attached to your USB port, please remove it briefly then reinsert it.
Your operating system will complete the installation.
< Back
Finish
Cancel

6.4.13 To make sure that the driver has been properly installed on your computer, you must check **"My Computer"-"Control Panel"-"System"-"Hardware"-"Device Manager",** you will see **"SigmaTel USB-IrDA Dongle"** under the **Infrared devices.**



7. Disclaimer

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8. FCC Statement

This device generates and uses radio frequency and may cause interference to radio and television reception if not installed and used properly. This has been tested and found to comply with the limits of a Class B computing device in accordance with the specifications in Part 15 of FCC Rules. These specifications are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by plugging the device in and out, the user can try to correct the interference by one or more of the followings:

- Reorient or relocate the receiving antenna.
- Increase the separation between the device and receiver.
- Connect the computer into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.